

PHOSPHORS

Abstract of the Disclosure

Small particles provide for improved performance as phosphors especially in the production of display devices. Particles with an diameter less than about 100 nm have altered band properties that affect the emission by the particles. A collection of such small particles with a narrow distribution around a selected average diameter can be used to produce emission at a desired frequency. These particles are effective for producing a wide variety of display types including flat panel displays. Laser pyrolysis provides an efficient process for the production of desired particles.

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